

DATE OUT: July 14, 1997

SUBJECT: EP ☒ MP ☐ PRODUCT CHEMISTRY REVIEW
DP BARCODE No.: D235988 REG./File Symbol No.: 264-LTE
PRODUCT NAME: Balance Pro Herbicide
COMPANY: Rhone-Poulenc Ag Company

TO: Vickie Walters, PM Team 25
Fungicide-Herbicide Branch/RD (7505C)

FROM: *A. Smith*
Alfred Smith, Chemist
Technical Review Branch/RD (7505C)

SUMMARY OF FINDINGS:

The Applicant proposes the registration of the End-Use Product (EP), Balance Pro Herbicide. Product chemistry studies and Labelling are submitted in support of the registration.

The product chemistry studies satisfy the requirements of 40 CFR 158.155 - 158.190 for the EP. No additional information is needed.

The Label meets the requirements of 40 CFR 156.10 with respect to the Ingredient statement and the Storage and Disposal statements.

TRB/RD has no objections to the registration of the EP.

EP [x] MP [] PRODUCT CHEMISTRY REVIEW

1. DP BARCODE No.: D235988 2. REG./File Symbol No.: 264-LTE
3. Registration [x] 4. Reregistration [], Rereg Case No. _____
5. Product Name: Balance Pro Herbicide
6. Pesticide Type: Fungicide [] Herbicide [x]
 Insecticide [] Rodenticide [] Antimicrobial []
 Plant Growth Regulator [] Others: _____
7. Uses: Food [x] Non food use []
8. Type of Submission: New [x] Resubmission [] Amendment []
 "ME-TOO" [] Alternate Formulation [] Repack []
 Experimental Use Permit [] Other (Specify) _____
9. If "Me-TOO" Registration, this product is [] is not []
 similar or substantially similar to EPA's Reg. No.: _____,
 If not, comment in Confidential Appendix A on the differences
 between the registered and the new source where significant.

CONFIDENTIAL STATEMENT OF FORMULA, DATED 02/17 /1997 :

10. Type of formulation and the sources of active ingredients:
- a. Non-integrated formulation system.....[x]
- b. Are all technical grade active ingredients used
 registered? • yes [x] • no []
- c. Integrated formulation system.....[]
11. Composition: The nominal concentrations (NC) of the active
 ingredients and the upper and lower certified limits (UCL &
 LCL) are as follows:

Active ingredient(s)	% by weight		
	NC	UCL	LCL
Acetochlor	44.6	45.9	43.1
Isoxaflutole	4.2	4.4	4.0

12. The calculated NCs, based on the pure active ingredients (PAI), are identical to those on the label:

• yes [x] • no []

13. The certified limits are within the standard limits as per 40CFR§158.175 or are adequately explained if different:

• yes [x] • no []

14. Clearance of intentionally added ingredients in the formulation for the intended use:

a. Formulation intended for food use under 40CFR§180.1001:

• yes [x] • no [] • Some are cleared, others are not []
 • Cleared under list: • c [x] • d [x] • e []

b. Formulation intended for non-food use:

• yes [] • no [] • Some are cleared, others are not []

15. For products produced by an integrated formulation system:
 • All impurities of toxicological significance have an UCL:

• yes [] • no [] • not applicable []

- All other impurities $\geq 0.1\%$ associated with the active ingredient in the product are reported at their nominal concentrations:

• yes [] • no [] • not applicable []

PRODUCT LABEL, EPA RECEIVED 03/10 /1997 :

16. The active ingredients statement (chemical identities, nominal concentrations) is consistent with the CSF • yes [x] • no []

17. The formulation contains one of the following:

• 10% or more of a petroleum distillate:	• yes []	• no [x]
• 1% or more of methyl alcohol:	• yes []	• no [x]
• sodium nitrite at any level:	• yes []	• no [x]
• a toxic List 1 inert at any level:	• yes []	• no [x]
• arsenic in any form:	• yes []	• no [x]

18. If yes to any of the above, does the inert ingredients statement contains a footnote indicating this?

• yes [] • no [] • not applicable []

19. The appropriate physical and chemical hazards statement regarding flammability or explosive characteristics of the product are given on the label:

• yes [] • no [] • not applicable [x]

20. The storage and disposal instructions for the pesticide and container are in compliance with PR Notice 84-1 for household use products or PR Notice 83-3 for all other uses:

• yes [x] • no []

PRODUCT CHEMISTRY DATA (SERIES 61 and 62)

21. <u>Chemical IDs/Manufacture/ Analytical Information</u>	<u>Data Required Fulfilled</u>	<u>MRID No.</u>
61-1 Chemical Identity	Y	44236201
61-2 Starting Materials & Manufact or Formulation Process	Y	" "
61-3 Discussion of Impurities	Y	" "
62-1 Preliminary Analysis	Y	" "
62-2 Certified Limits	Y	" "
62-3 Enforcement Analytical Method	Y	" "

PRODUCT CHEMISTRY DATA (SERIES 63)

<u>24. Physical/Chemical Properties</u>	<u>Data Required Fulfilled</u>	<u>Value or Qualitative Description</u>	<u>MRID No.</u>
63-3 Physical State	Y	Liquid	44236201
63-7 Density/Bulk Density	Y	8.96 lbs/gal	" "
63-12 pH of Product	Y	4.3 (1% w/v in water)	" "
63-15a Flammability-Flash Point	Y	73 C (163 F)	" "
63-15b Flame Extension	NA		
63-16 Explodability	NA		
63-17 Storage Stability	NR		
63-18 Viscosity	Y	7.58 cSt at 25 C	44236201
63-19 Miscibility (With Hydrocarbon solvents)	NA		
63-20 Corrosion Characteristics	N		
63-21 Dielectric Breakdown Voltage	NA		

Explanations: Y = The Requirements Were Fulfilled; N = The Requirements Were Not Fulfilled; NA = Not Applicable; G = Data Gap; U = Requires Upgrading; I = Incomplete or In Progress; W = Waived.